

ATTORNEY DOCKET NO.  
39888-P001WOUS

Express Mail Label  
No. EV 507 272 599 US  
10/517503  
PATENT  
OT12 Rec'd PCT/PTO 10 DEC 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Webb, Homer L.

Serial No.:

Filing Date:

Int'l Application No: PCT/US2003/018762

Int'l Filing Date: 13 June 2003

Art Unit: Not yet assigned

Title: A FIELD SEQUENTIAL DISPLAY DEVICE AND METHOD OF FABRICATING  
SAME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Applicant hereby submits the following references in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of the references cited in the attached PTO/SB/08A are not enclosed nor required. Furthermore, pursuant to 37 C.F.R. § 1.97(g) and (h), no representation is made that this is material to patentability of the present application or that a search has been made.

Applicant hereby submits that claims of Applicant's above-referenced patent application are patentably distinguishable from these references.

10/517503


ATTORNEY DOCKET NO.  
39888-P001WOUS

PATENT  
JT12 Rec'd PCT/PTO 10 DEC 2004

It is believed that no fees are due; however, the Director of Patents and Trademarks is hereby authorized to charge any fees relating to this Information Disclosure Statement under 37 CFR § 1.17 to Deposit Account No 23-2426 of WINSTEAD SECHREST & MINICK P.C.

Respectfully submitted,

Date: 10 December 2004

  
\_\_\_\_\_  
Ross Spencer Garsson, Reg. No. 38,150

WINSTEAD SECHREST & MINICK P.C.  
P.O. Box 50784  
Dallas, Texas 75201  
Phone: 512.370.2870  
Fax: 214.745.5390

Dallas\_1\4080983\1  
39888-P001WOUS 12/09/2004

In Place of FORM PTO-1449 (Modified)

Serial No.: Not Yet Assigned  
 Applicants: Homer L. Webb  
 Filing Date: Herewith  
 Group: Not Yet Assigned  
 Atty. Docket No.: 39888-P001WOUS

PT12 Rec'd PCT/PTO 10 DEC 2004  
 10/517503

**LIST OF PATENTS AND PUBLICATIONS FOR  
 APPLICANTS' INFORMATION DISCLOSURE  
 STATEMENT**

Reference Designation

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
_____AAA	US 2001/0017675 A1	08/30/01	Inoue et al.	349	86	02/12/01
_____ABA	US 2001/0033400 A1	10/25/01	Sutherland et al.	359	15	12/22/00
_____ACA	US 2001/0035852 A1	11/01/01	Yoshihara et al.	345	87	04/02/01
_____ADA	US 2001/0035918 A1	11/01/01	Nakamura et al.	349	10	04/25/01
_____AEA	US 2001/0035925 A1	11/01/01	Kaneko et al.	349	99	06/25/01
_____AFA	US 2001/0036728 A1	03/28/02	Okumura	349	61	09/12/01
_____AGA	US 2001/0043289 A1	11/22/01	Marshall	348	743	02/23/01
_____AHA	US 2001/0043302 A1	11/22/01	Inoue et al.	349	137	03/19/01
_____AIA	US 2001/0052885 A1	12/20/01	Okita	345	87	03/07/01
_____AJA	US 2002/0005829 A1	01/17/02	Ouchi	345	88	07/03/01
_____AKA	US 2002/0024618 A1	02/28/02	Imai	348	743	08/30/01
_____ALA	US 2002/0045014 A1	04/18/02	Serbutoviez et al.	428	1.1	06/08/01
_____AMA	US 2002/0057253 A1	05/16/02	Lim et al.	345	102	11/09/01
_____ANA	US 2002/0060662 A1	05/23/02	Hong	345	102	11/23/01
_____AOA	US 2002/0071069 A1	06/13/02	Nakagawa et al.	349	86	08/03/98
_____APA	US 2002/0080301 A1	06/27/02	Takahashi et al.	349	61	12/17/01
_____AQA	US 2002/0085284 A1	07/04/02	Nakamura et al.	359	601	10/31/01
_____ARA	US 2002/0093479 A1	07/18/02	Lim et al.	345	102	11/20/01
_____ASA	US 2002/0097355 A1	07/25/02	Kralik et al.	349	86	10/30/01
_____ATA	US 2002/0113761 A1	08/22/02	Mizutani et al.	345	87	12/21/01
_____AUA	US 2002/0113920 A1	08/22/02	Kubota et al.	349	86	02/11/02
_____AVA	US 2002/0114606 A1	08/22/02	De Bougrenet et al.	385	140	02/13/02
_____AWA	US 2002/0122019 A1	09/05/02	Baba et al.	345	88	12/18/01
_____AXA	US 2002/0130989 A1	09/19/02	Nakao et al.	349	86	02/15/02
_____AYA	US 2002/0135540 A1	09/26/02	Yoneyama et al.	345	20	03/11/02
_____AZA	US 2002/0140647 A1	10/03/02	Flynn et al.	345	87	02/21/01
_____BAB	US 2002/0140888 A1	10/03/02	Nishiyama et al.	349	117	03/28/02
_____BBB	US 2002/0145579 A1	10/10/02	Yamakita et al.	345	87	06/04/02
_____BCB	US 2002/0149551 A1	10/17/02	Yamakita et al.	345	87	06/04/02
_____BDB	US 2002/0149576 A1	10/17/02	Tanaka et al.	345	204	03/28/02
_____BEB	US 2002/0186335 A1	12/12/02	Tanaka	349	113	04/22/02
_____BFB	US 2003/0031864 A1	02/13/03	Clikeman et al.	428	343	09/24/02
_____BGB	4,435,047	03/06/84	Ferguson	350	334	
_____BHB	4,556,289	12/03/85	Ferguson	350	350	
_____BIB	4,579,423	04/01/86	Ferguson	350	334	
_____BFB	4,582,396	04/15/86	Bos et al.	350	347	
_____BKB	4,596,445	06/24/86	Ferguson	350	339	

_____BLB	4,671,618	06/09/87	Wu et al.	350	347	
_____BMB	4,673,255	06/16/87	West et al.	350	347	
_____BNB	4,685,771	08/11/87	West et al.	350	347	
_____BOB	4,688,900	08/25/87	Doane et al.	350	347	
_____BPB	4,707,080	11/17/87	Ferguson	350	334	
_____BQB	4,728,547	03/01/88	Vaz et al.	428	1	
_____BRB	4,844,596	07/04/89	Ferguson	350	345	
_____BSB	4,888,126	12/19/89	Mullen et al.	252	299.5	
_____BTB	4,890,902	01/02/90	Doane et al.	350	347	
_____BUB	4,938,568	07/03/90	Margerum et al.	350	334	
_____BVB	4,944,576	07/31/90	Lacker et al.	350	334	
_____BWB	4,994,204	02/19/91	Doane et al.	252	299.01	
_____BXB	5,004,323	04/02/91	West	350	346	
_____BYB	5,056,898	10/15/91	Ma et al.	359	94	
_____BZB	5,087,387	02/11/92	Mullen et al.	252	299.5	
_____CAC	5,096,282	03/17/92	Margerum et al.	359	3	
_____CBC	5,099,343	03/24/92	Margerum et al.	359	48	
_____CCC	5,116,528	05/26/92	Mullen et al.	252	299.5	
_____CDC	5,200,845	04/06/93	Crooker et al.	359	51	
_____CEC	5,223,959	06/29/93	Wu et al.	359	51	
_____CFC	5,240,636	08/31/93	Doane et al.	252	299.01	
_____CGC	5,264,950	11/23/93	West et al.	359	51	
_____CHC	5,270,843	12/14/93	Wang	359	52	
_____CIC	5,305,126	04/19/94	Kobayashi	359	52	
_____CJC	5,307,187	04/26/94	Sunohara et al.	359	51	
_____CKC	5,452,113	09/19/95	Ikeno	359	53	
_____CLC	5,570,210	10/29/96	Yoshida et al.	359	51	
_____CMC	5,629,785	05/13/97	Valliath et al.	349	86	
_____CNC	5,686,017	11/11/97	Kobayashi et al.	252	299.01	
_____COC	5,751,388A	05/12/98	Larson	349	96	
_____CPC	5,760,860	06/02/98	Mason et al.	349	86	
_____CQC	5,760,875	06/02/98	Daijogo et al.	353	31	
_____CRC	5,757,026	05/26/98	Forrest et al.	257	40	
_____CSC	5,784,138	07/21/98	Kollarits et al.	349	93	
_____CTC	5,847,787	12/08/98	Fredley et al.	349	89	
_____CUC	5,903,323	05/11/99	Ernststoff et al.	348	771	
_____CVC	5,965,907	10/12/99	Huang et al.	257	89	
_____CWC	5,993,689	11/30/99	Kobayashi et al.	252	299.01	
_____CXC	5,999,234	12/07/99	Budd et al.	349	38	
_____CYC	6,008,871	12/28/99	Okumura	349	61	
_____CZC	6,017,468	01/25/00	Chung et al.	252	299.5	
_____DAD	6,028,656	02/22/00	Buhrer et al.	349	196	
_____DBD	6,034,666	03/07/00	Kanai et al.	345	150	
_____DCD	6,067,136	05/23/00	Yamaguchi et al.	349	96	

_____DDD	6,088,075	07/11/00	Nakao et al.	349	86	
_____DED	6,144,359	11/07/00	Grave	345	102	
_____DFD	6,144,427	11/07/00	Hoshi et al.	349	105	
_____DGD	6,151,004	11/21/00	Kaneko	345	88	
_____DHD	6,166,789	12/26/00	Koenig	349	86	
_____DID	6,166,800	12/26/00	Silverstein et al.	349	201	
_____DJD	6,169,708	01/02/01	Kaneko et al.	368	84	
_____DKD	6,175,351	01/16/01	Matsuura et al.	345	98	
_____DLD	6,181,391	01/30/01	Okita et al.	349	65	
_____DMD	6,184,968	02/06/01	Taylor-Smith	349	158	
_____DND	6,187,222	02/13/01	Coates et al.	252	299.01	
_____DOD	6,188,379	02/13/01	Kaneko	345	102	
_____DPD	6,203,723	03/20/01	Hsu	252	299.01	
_____DQD	6,222,605	04/24/01	Tillin et al.	349	167	
_____DRD	6,243,152	06/05/01	Knox et al.	349	86	
_____DSD	6,261,650	07/17/01	Kobayashi et al.	428	1.5	
_____DTD	6,266,473	07/24/01	Sacomanno et al.	385	140	
_____DUD	6,271,898	08/07/01	Clikeman et al.	349	86	
_____DVD	6,271,901	08/07/01	Ide et al.	349	96	
_____DWD	6,285,415	09/04/01	Brennesholtz	348	742	
_____DXD	6,292,439	09/18/01	Akiba et al.	368	84	
_____DYD	6,297,864	10/02/01	Kaneko et al.	349	117	
_____DZD	6,319,424	11/20/01	Park et al.	252	299.01	
_____EAE	6,344,887	02/05/02	Ma et al.	349	98	
_____EBE	6,351,297	02/26/02	Ide et al.	349	96	
_____ECE	6,359,670	03/19/02	Broer et al.	349	115	
_____EDE	6,392,656	05/21/02	Someya et al.	345	589	
_____EEE	6,398,363	06/04/02	Ho et al.	353	20	
_____EFE	6,414,728	07/02/02	Faris et al.	349	10	
_____EGE	6,419,363	07/16/02	Ho et al.	353	20	
_____EHE	6,424,329	07/23/02	Okita	345	95	
_____EIE	6,448,951	09/10/02	Sakaguchi et al.	345	88	
_____EJE	6,462,805	10/08/02	Wu et al.	349	169	
_____EKE	6,483,559	11/19/02	Hiraki et al.	349	86	
_____ELE	6,501,521 B2	12/31/02	Batsushita et al.	349	106	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
_____EME	EP 0 746 795	09/20/00	European			X
_____ENE	EP 0 643 318	01/02/03	European			X
_____EOE	WO 01/50200	07/12/01	PCT			X

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

Examiner Initial	
EPE	A. Tomita. "Status of Projection-Type Polymer-Dispersed LCDs," SID 93 Digest, 1993, pp. 865-868.
EQE	Akira Masutani et al. "A Novel Polariser-Free Dye Doped Polymer Dispersed Liquid Crystal for Reflective TFT Display," SID 02 Digest, 2002, pp.1-4.
ERE	Atsushi Nakadaira et al. "PDLC on Light Guide for Large-Area Displays," SID, 2000, pp. 300-303.
ESE	B. G. Wu et al. "Novel Fast-Switching Polymer-Dispersed Liquid-Crystal Light Shutter and Display," SID 92 Digest, 1992, pp. 583-586.
ETE	Filip Bruyneel et al. "Fast PDLC Using Field Oriented Addressing," Asia Display/IDW, 2001, pp. 45-48.
EUE	Filip Bruyneel et al. "Introduction of color in reflective microdisplays," RUG-FTW-2nd PhD Symposium, December 12, 2001, paper 9, pp. 1-2.
EVE	Filip Bruyneel. "Reflective Color PDLC Displays using Color Filters," SID 02 Digest, 2002, pp. 534-537.
EWE	Fumiaki Yamada et al. "Color Sequential LCD Based on OCB with an LED Backlight," SID 00 Digest, 2000, pp. 1180-1183.
EXE	Guo-Min Zhang et al. "New Rapid Response Polymer Dispersed Liquid Crystal Material," SPIE, Vol. 1815, Display Technologies, 1992, pp. 233-237.
EYE	H. Kobayashi et al. "A Novel Polymer-Dispersed LC with Internal-Reflection Inverted-Scattering (IRIS) Mode," SID 97 Digest, 1997, pp. 751-754.
EZE	H. Yoshida et al. "A Full-Color TFT-LCD with a Polymer-Dispersed Structure," Fujitsu Ltd., October 1992, 4 pages.
FAF	Hans-U. Lauer et al. "A Frame-Sequential Color-TV Projection Display," SID 90 Digest, 1990, pp. 534-537.
FBF	Hidefume Yoshida et al. "A full-color TFT-LCD with a polymer-dispersed structure," Journal of the SID, 1/4, 1993, pp. 417-422.
FCF	J. De Baets et al. "A polymer-network liquid-crystal poly-CdSe TFT active-matrix display," Journal of the SID, 1/2, 1993, pp. 189-194.
FDF	L. Vicari. "Liquid-crystal layer between rough polymeric surfaces," J. Opt. Soc. Am. B, Vol. 16, No. 7, July 1999, pp. 1135-1138.
FEF	Markus Dobler et al. "An Improved Frame-Sequential Color Projector with Modified CdSE-TFTs," SID 91 Digest, 1991, pp. 427-429.
FFF	Michael Bolotski et al. "A Field-Sequential-Color 1024_768 Liquid-Crystal-on-Silicon Display," The MicroDisplay Corporation, date unknown, 29 pages.
FGF	Mitsuhiro Koden. "Wide Viewing Angle Technologies of TFT-LCDs," Ecological Technology Development Center Corporate Research and Development Group, received May 14, 1999, pp. 1-6.
FHF	Munekazu Date et al. "Direct-viewing Display Using Alignment-controlled PDLC and Holographic PDLC," SID 00 Digest, 2000, pp. 1184-1187.
FIF	Munekazu Date et al. "Phase Separation of Liquid Crystal from Mixture Including Liquid Crystalline Monomer," NTT Advanced Technology, 1998, 4 pages.
FJF	N. Ogawa et al. "Field-Sequential-Color LCD Using Switched Organic EL Backlighting," SID, 1999, 4 pages.
FKF	N.-H. Park et al. "A novel method for encapsulation of a liquid crystal in monodisperse micron-sized polymer particles," Colloid Polym Sci, Vol. 279, 2001, pp. 1082-1089.
FLF	Norio Koma et al. "Color Field Sequential LCD Using an OCB-TFT-LCD," SID 00 Digest, 2000, pp. 632-635.
FMF	P. Alvelda. "High-Efficiency Color Microdisplays," SID 95 Digest pp. 307-310.
FNF	P. Mach et al. "Electro-optic response and switchable Bragg diffraction for liquid crystals in colloid-templated materials," Physical Review E, Vol. 65, 031720, 2002, pp. 1-3.
FOF	Paul Drzaic. "Recent Developments in Polymer Dispersed Liquid Crystals," E Ink Corporation, Cambridge, Massachusetts, date unknown, 11 pages.
FPF	Paul S. Drzaic. "Liquid Crystal Dispersions," World Scientific Publishing Co., 1995, 12 pages.
FQF	Gregory P. Crawford et al. "Handbook of Liquid Crystal Research: Polymer Dispersed Liquid Crystals: Nematic Droplets and Related Systems," Oxford University Press, Oxford, New York, 1997, pp. 347-414.
FRF	Philip Cacharelis et al. "A Reflective-mode PDLC Light Valve Display Technology," National Semiconductor Corporation, date unknown, 4 pages.

- \_\_\_\_\_FSF R. Macdonald. "Liquid Crystal Displays," Optical Institute of the Technical University of Berlin, last update December 1998, 7 pages.
- \_\_\_\_\_FTF S. Niiyama et al. "Hysteresis and Dynamic Response Effects on the Image Quality in a LCPC Projection Display," SID 93 Digest, 1993, pp. 869-872.
- \_\_\_\_\_FUF T. Yoshihara et al. "A 254-ppi Full-color Video Rate TFT-LCD Based on Field Sequential Color and FLC Display," SID 00 Digest, 2000, pp. 1176-1179.
- \_\_\_\_\_FVF Timothy J. Bunning. "Switchable Reflective Displays Formed from Holographic Polymer-Dispersed Liquid Crystals (H-PDLCs)," SID 00 Digest, pp. 121-123.
- \_\_\_\_\_FWF Valery Vorflusev et al. "Phase separated composite films of liquid crystals," Pramana-Journal of Physics, Indian Academy of Sciences, Vol. 53, No. 1, July 1999, pp. 121-129.
- \_\_\_\_\_FXF Y. Nagae et al. "Compact Liquid-Crystal Projectors with High Optical Efficiency," SID 95 Digest, 1995, pp. 223-226.
- 

Examiner:

Date Considered:

---

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.